set message

Set Message
Get Message
Compile Contract
Deploy Contract

Contract compiled successfully!
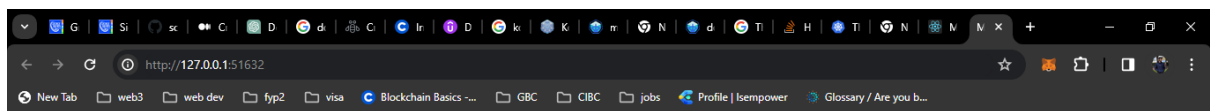
set message

Set Message
Get Message
Compile Contract
Deploy Contract

0xE597b8389414A5FE3c39AA3445cCa4370e9D228B
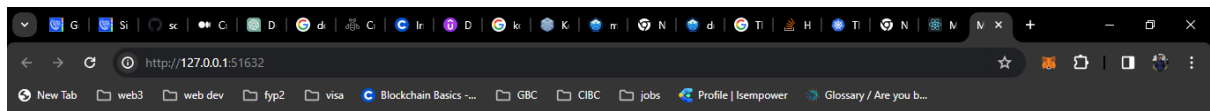
set message

Set Message
Get Message
Compile Contract
Deploy Contract

Hello World!
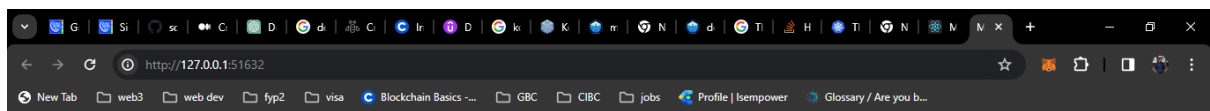
Helloo world!!!

Set Message
Get Message
Compile Contract
Deploy Contract

0xd36b9a18c043b02dc24385cfe58796157876705090ffc8983ed61691ad1a37c6

Browser window (top screenshot)

New Tab · web3 · web dev · fyp2 · visa · Blockchain Basics -... · GBC · CIBC · jobs · Profile | Isempower · Glossary / Are you b...

Helloo world!!!

Set Message
Get Message
Compile Contract
Deploy Contract

Helloo world!!!

10:56 pm 25/01/2024

VS Code window (bottom screenshot)

File Edit Selection View Go Run ···

BCDV 4032 - Buliding Scalable Blockchain Apps

EXPLORER

dapp-deployment.yaml U   dapp-service.yaml U   ganache-deployment.yaml U   ganache-service.yaml U   config.yml U ✕

✓ BCDV 4032 - BULIDING SCALABLE BLOCKCHAI...
Lab4 > docker-ethereum > config.yml
1   apiVersion: v1

- screenshots.pdf
- statefulset.yaml
✓ Lab4 \ docker-ethereum
  > .github
  > .vscode
  > client
  > ethereum
  > server
  - .dockerignore
  - .gitignore
  - config.yml   U
  - dapp-deployment.yaml   U
  - dapp-service.yaml   U
  - docker-compose.yml
  - Dockerfile
  - Dockerfile.ganache
  - ganache-deployment.yaml   U
  - ganache-service.yaml   U
  - LICENSE
  - LICENSE.md
  - {} package-lock.json
  - {} package.json
  - react-deployment.yaml   U
  - react-service.yaml   U
  - README.md
  - kubectl.exe
> OUTLINE
> TIMELINE

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\Faizan\Desktop\Blockchain Development\BCDV 4032 - Buliding Scalable Blockchain Apps\lab4\docker-ethereum> kubectl
getpods
error: unknown command "getpods" for "kubectl"
NAME                                        READY   STATUS    RESTARTS       AGE
dapp-57fb7cd8c7-brx56                        1/1     Running   0              90s
mongo-express-deployment-b88f6d45f-cqncv     1/1     Running   1 (17m ago)    6d2h
mongodb-stateful-set-0                       1/1     Running   1 (17m ago)    6d2h
mongodb-stateful-set-1                       1/1     Running   1 (17m ago)    6d2h
note-deployment-74cc946cd8-8jrmf             1/1     Running   3 (16m ago)    6d2h
note-deployment-74cc946cd8-qwclh             1/1     Running   3 (16m ago)    6d1h
note-server-deployment-6fb5fcb67f-97qxg      1/1     Running   1 (17m ago)    6d2h
note-server-deployment-6fb5fcb67f-ngk5s      1/1     Running   1 (17m ago)    6d2h
react-856b8f94df-qp9d4                        1/1     Running   1 (17m ago)    22m
PS C:\Users\Faizan\Desktop\Blockchain Development\BCDV 4032 - Buliding Scalable Blockchain Apps\lab4\docker-ethereum> kubectl
exec dapp-57fb7cd8c7-brx56
error: you must specify at least one command for the container
PS C:\Users\Faizan\Desktop\Blockchain Development\BCDV 4032 - Buliding Scalable Blockchain Apps\lab4\docker-ethereum> kubectl
exec dapp-57fb7cd8c7-brx56 -- env
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin
HOSTNAME=dapp-57fb7cd8c7-brx56
NODE_PORT=8080
DAPP_SERVICE_HOST=10.107.226.225
NOTE_SERVER_SERVICE_PORT_5000_TCP_PORT=5000
GANACHE_PORT_8545_TCP_PORT=8545
MONGODB_SERVICE_PORT_27017_TCP=tcp://10.109.226.50:27017
NOTE_SERVER_SERVICE_PORT_5000_TCP=tcp://10.97.158.243:5000
GANACHE_PORT_8545_TCP=tcp://10.107.21.110:8545
KUBERNETES_PORT_443_TCP=tcp://10.96.0.1:443
KUBERNETES_PORT_443_TCP_PROTO=tcp
DAPP_SERVICE_PORT=4000
REACT_SERVICE_PORT_3000=3000
DAPP_SERVICE_PORT_4000=4000
DAPP_PORT_4000_TCP_PROTO=tcp
```

kubectl
powershell

Ln 6, Col 21   Spaces: 2   UTF-8   CRLF   YAML   Go Live

master*   ⊗ 0 ⚠ 0   0

11:13 pm 25/01/2024

Screenshot 1 (top):

```
BCDV 4032 - Buliding Scalable Blockchain Apps

File  Edit  Selection  View  Go  Run  ...

EXPLORER
BCDV 4032 - BULIDING SCALABLE BLOCKCHAI...
  screenshots.pdf
  statefulset.yaml
  Lab4 \ docker-ethereum
    > .github
    > .vscode
    > client
    > ethereum
    > server
      .dockerignore
      .gitignore
      config.yml                    U
      dapp-deployment.yaml          U
      dapp-service.yaml             U
      docker-compose.yml
      Dockerfile
      Dockerfile.ganache
      ganache-deployment.yaml       U
      ganache-service.yaml          U
      LICENSE
      LICENSE.md
      { } package-lock.json
      { } package.json
      react-deployment.yaml         U
      react-service.yaml            U
      README.md
      kubectl.exe
> OUTLINE
> TIMELINE

Lab4 > docker-ethereum > config.yml
    1    aniVersion: v1

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

DAPP_SERVICE_PORT_4000=4000
DAPP_PORT_4000_TCP_PROTO=tcp
MONGODB_SERVICE_PORT_27017_TCP_PROTO=tcp
GANACHE_PORT_8545_TCP_PROTO=tcp
REACT_PORT_3000_TCP_PROTO=tcp
NOTE_SERVICE_PORT_3000_TCP=tcp://10.104.239.136:3000
GANACHE_SERVICE_PORT=8545
NOTE_SERVICE_PORT=tcp://10.104.239.136:3000
NOTE_SERVER_SERVICE_SERVICE_PORT=5000
NOTE_SERVER_SERVICE_PORT=tcp://10.97.158.243:5000
REACT_PORT_3000_TCP_ADDR=10.103.251.191
KUBERNETES_PORT=tcp://10.96.0.1:443
KUBERNETES_PORT_443_TCP_PORT=443
NOTE_SERVER_SERVICE_SERVICE_HOST=10.97.158.243
GANACHE_PORT=tcp://10.107.21.110:8545
KUBERNETES_PORT_443_TCP_ADDR=10.96.0.1
NOTE_SERVICE_SERVICE_HOST=10.104.239.136
MONGO_EXPRESS_SERVICE_SERVICE_HOST=10.108.122.243
NOTE_SERVICE_SERVICE_PORT=3000
MONGODB_SERVICE_PORT_27017_TCP_ADDR=10.109.226.50
GANACHE_PORT_8545_TCP_ADDR=10.107.21.110
MONGO_EXPRESS_SERVICE_PORT_8081_TCP_PROTO=tcp
NOTE_SERVER_SERVICE_PORT_5000_TCP_PROTO=tcp
GANACHE_SERVICE_HOST=10.107.21.110
MONGODB_SERVICE_SERVICE_PORT=27017
NOTE_SERVER_SERVICE_PORT_5000_TCP_ADDR=10.97.158.243
NOTE_SERVICE_PORT_3000_TCP_PROTO=tcp
DAPP_PORT_4000_TCP_ADDR=10.107.226.225
MONGO_EXPRESS_SERVICE_SERVICE_PORT=8081
REACT_SERVICE_PORT=3000
DAPP_PORT_4000_TCP=tcp://10.107.226.225:4000
MONGODB_SERVICE_PORT=tcp://10.109.226.50:27017
MONGODB_SERVICE_PORT_27017_TCP=27017
```

Screenshot 2 (bottom):

```
MONGODB_SERVICE_SERVICE_PORT=27017
NOTE_SERVER_SERVICE_PORT_5000_TCP_ADDR=10.97.158.243
NOTE_SERVICE_PORT_3000_TCP_PROTO=tcp
DAPP_PORT_4000_TCP_ADDR=10.107.226.225
MONGO_EXPRESS_SERVICE_SERVICE_PORT=8081
REACT_SERVICE_PORT=3000
DAPP_PORT_4000_TCP=tcp://10.107.226.225:4000
MONGODB_SERVICE_PORT=tcp://10.109.226.50:27017
MONGODB_SERVICE_PORT_27017_TCP_PORT=27017
REACT_PORT_3000_TCP_PORT=3000
KUBERNETES_SERVICE_PORT_HTTPS=443
DAPP_PORT=tcp://10.107.226.225:4000
REACT_SERVICE_HOST=10.103.251.191
MONGO_EXPRESS_SERVICE_PORT_8081_TCP=tcp://10.108.122.243:8081
MONGO_EXPRESS_SERVICE_PORT_8081_TCP_PORT=8081
MONGO_EXPRESS_SERVICE_PORT=tcp://10.108.122.243:8081
REACT_PORT=tcp://10.103.251.191:3000
REACT_PORT_3000_TCP=tcp://10.103.251.191:3000
NOTE_SERVICE_PORT_3000_TCP_ADDR=10.104.239.136
KUBERNETES_SERVICE_HOST=10.96.0.1
DAPP_PORT_4000_TCP_PORT=4000
MONGODB_SERVICE_SERVICE_HOST=10.109.226.50
GANACHE_SERVICE_PORT_8545=8545
KUBERNETES_SERVICE_PORT=443
NOTE_SERVICE_PORT_3000_TCP_PORT=3000
MONGO_EXPRESS_SERVICE_PORT_8081_TCP_ADDR=10.108.122.243
NODE_VERSION=8.12.0
YARN_VERSION=1.9.4
HOME=/root
PS C:\Users\Faizan\Desktop\Blockchain Development\BCDV 4032 - Buliding Scalable Blockchain Apps\lab4\docker-ethereum>
```